BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Project Division

Work Slip: As per Std Tender Documents

Name of Work: Improvements to Roads and Drains at Dwarakanagara Surrounding area in Ward No: 05 (Jakkur) Byatarayanapura Sub-Division
Estimate Amount:- Rs ,15000000/-
Name of Contractor:- Santhos Kumar K R
Approved amount:- Rs 1,31,97,244.00/-
Tender premium:- 5.00% Above

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	excess amount
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount		
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications including all lead and lifts and as per the direction of engineer in charge	Cum	1533.86	226.04	346713.71	1543.11	1543.11	226.04	348805.26	0.00	226.04	0.00	348805.26	2091.55
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications including all lead and lifts and as per the direction of engineer in charge	Cum	210.02	5693.00	1195643.86	211.41	211.41	5693.00	1203582.75	0.00	5693.00	0.00	1203582.75	7938.89

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount		
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18
6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing a including all lead and lifts and as per the direction of engineer in charge	Sqm	38.16	5688.90	217088.42	58.08	47.70	5688.90	271360.53	10.38	5688.90	59050.78	330411.31	113322.89
7	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 8km lead	Cum	778.80	67.14	52288.63	873.10	873.10	67.14	58620.07	0.00	67.14	0.00	58620.07	6331.44
8	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications	Sqm	2596.00	6.68	17341.28	2907.32	2907.32	6.68	19420.90	0.00	6.68	0.00	19420.90	2079.62
9	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications.	Cum	389.40	2094.64	815652.82	436.22	436.22	2094.64	913724.91	0.00	2094.64	0.00	913724.91	98072.09

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount		
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18
10	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications	Cum	584.10	2101.34	1227392.69	654.25	654.25	2101.34	1374792.76	0.00	2101.34	0.00	1374792.76	147400.07
11	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision	Cum	2596.00	31.16	80891.36	2907.32	2907.32	31.16	90592.09	0.00	31.16	0.00	90592.09	9700.73
12	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications	Sqm	2596.00	13.36	34682.56	2907.32	2907.32	13.36	38841.80	0.00	13.36	0.00	38841.80	4159.24

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount		
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18
13	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	129.80	6728.09	873306.08	145.41	145.41	6728.09	978355.12	0.00	6728.09	0.00	978355.12	105049.04
14	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	77.88	7914.54	616384.38	87.23	87.23	7914.54	690417.77	0.00	7914.54	0.00	690417.77	74033.39

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			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount		
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18
15	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	94.40	477.48	45074.11	102.88	102.88	477.48	49123.14	0.00	477.48	0.00	49123.14	4049.03
	Grand total				5522459.91				6037637.10			59050.78	6096687.88	574227.97

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/ Approved Amount x 100

Approved Amount =	13197244.00
Excess Amount =	574227.97
Savings Amount =	574479.08

$$\text{Percentage of Worslip} = \frac{\text{Excess Amount}}{\text{Approved Amount}} \times 100$$

Percentage of Worslip =	4.35	%

Contractor

Assistant Engineer
Yelahanka Project Division

Assistant Executive Engineer
Yelahanka Project Division

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
Yelahanka Project Division

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

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ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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